

## CURRICULUM VITAE

Name Davor Solter

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Emeritus Member and Director  
Max-Planck Institute of Immunobiology and Epigenetics  
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Date and Place of Birth March 22, 1941, Zagreb, Yugoslavia

### Education

1965 M.D. - University of Zagreb, Medical School  
1968 M.Sc (Biology) - University of Zagreb, Faculty of Sciences  
1968 ECFMG certified  
1971 Ph.D. (Biology) - University of Zagreb, Medical School

### Honors

EMBO Scholarship - NATO School on Molecular and Developmental Biology, Erice, Italy, 1971

SKOJ Award for Achievement in Biological Sciences, 1971

Damon Runyon Memorial Cancer Fund Fellow, 1973-1974

Distinguished Lecturer, University of Tennessee-Oak Ridge National Laboratory 1986-87

Academia Europaea, Member, 1992-present

European Molecular Biology Organization, Member, 1994-present

American Academy of Arts and Sciences, Foreign Honorary Member, 1994-present

John E. Fogarty International Center, NIH, Scholar-in-Residence, 1994-1998

Japanese Biochemical Society, plenary lecturer, 1995

Japanese Biochemical Society, Honorary Member, 1995-present

March of Dimes Prize in Developmental Biology, 1998  
J. W. Jenkinson Memorial Lecturer, Oxford University, 1999  
Huxley Lecture, University of Birmingham, 2003  
Rosenstiel Award, 2007  
John H. Blaffer Lecture, UT M.D. Anderson Cancer Center, 2008  
Distinguished Lecture Series, Duke University, 2008  
R. G. Williams Lecture, University of Pennsylvania, 2008

#### Editorship

Associate Editor, Developmental Biology, 1981-1987, 1992-1995  
Editorial Board, Genes and Development, 1987-1997, 2002-present  
Associate Editor, Cell, 1987-1997  
Editorial Board, Journal of Experimental Zoology, 1989-1995  
Editorial Board, Mechanisms of Development, 1996-2001  
European Editor, Genes and Development, 1997-2001  
Editorial Board, Cloning and Stem Cells, 1999 – present  
Editor, Mechanisms of Development, 2002-2004  
Editorial Board, Differentiation, 2008 – present  
Science Board of Reviewing Editors, 2009 - 2013

#### Membership in Scientific Societies

American Society for Developmental Biology, 1974-present  
British Society of Developmental Biology, 1980-present  
American Association for the Advancement of Science, 1991-present  
Hakluyt Society, 1991-present  
Deutsche Gesellschaft für Ostasiatische Kunst, 1992-present  
Gesellschaft für Entwicklungsbiologie, 1995-present  
Genetic Society, 1997-present  
International Society for Stem Cell Research, 2002-present  
International Society of Differentiation, 2002-present

## Patents

USP# 4,664,097 - "Nuclear Transplantation in the Mammalian Embryo by Microsurgery and Cell Fusion" May 12, 1987. (With James McGrath).

USP# 5,789,158 - "Developmental Embryonic Mouse cDNA Libraries" August 4, 1998. (with Barbara B. Knowles, Jay L. Rothstein and Dabney Johnson).

Davor Solter

RESEARCH AND/OR PROFESSIONAL EXPERIENCE:

1963 - 1965	Student Instructor, Department of Anatomy, School of Medicine, Zagreb.
1966 - 1968	Instructor, Department of Anatomy, School of Medicine, Zagreb.
1968 - 1972	Instructor, Department of Biology, School of Medicine, Zagreb.
1972 - 1973	Assistant Professor, Department of Biology, School of Medicine, Zagreb.
1973 - 1974	Associate Scientist, The Wistar Institute, Philadelphia, PA.
1975 - 1980	Associate Professor, The Wistar Institute, Philadelphia, PA.
1981 - 1991	Professor, The Wistar Institute, Philadelphia, PA.
1982 - 1991	Member, Graduate Group in Microbiology, Faculty of Arts and Sciences, University of Pennsylvania.
1984 - 1991	Wistar Professor of Biology, Faculty of Arts and Sciences, University of Pennsylvania.
1984 - 1991	Member, Graduate Group in Molecular Biology, Faculty of Arts and Sciences, University of Pennsylvania.
1987 - 1988	Senior Visiting Scientist, Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y.
1991 - Present	Adjunct Wistar Professor, Wistar Institute, Philadelphia, PA
1991 - 2006	Director and Member, Max-Planck-Institute of Immunobiology, Department of Developmental Biology, Freiburg, Germany
1993 - 2011	Adjunct Professor, The Jackson Laboratory, Bar Harbor, ME
2000 – Present	Visiting Professor, University of Zagreb Medical School, Croatia
2007 – Present	Emeritus Director and Member, Max-Planck-Institute of Immunobiology, Department of Developmental Biology, Freiburg, Germany
2008 – 2013	Research Director, Institute of Medical Biology, Biomedical Research Council, A*STAR, Singapore
2008 – 2013	Professor, Duke University – National University of Singapore Graduate Medical School, Singapore
2014	Siriraj International Visiting Professor, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand



## ADVISORY ACTIVITIES

- 1982 - 1986 Member, Human Embryology and Development Study Section, National Institutes of Health.
- 1985 - 1991 Member, Scientific Advisory Board, QUEST Project, Cold Spring Harbor Laboratory.
- 1986 - 1991 Member, National Research Council, Committee on Research Opportunities in Biology, Growth and Development Subcommittee.
- 1988 - 1991 Member, Maternal and Child Health Research Committee, NICHD, NIH
- 1990 - 1993 Member, Board of Scientific Overseers, The Jackson Laboratory, Bar Harbor, Maine.
- 1992 - 2003 Member, Scientific Advisory Committee, The Wistar Institute, Philadelphia.
- 1992 - Present Member, External Advisory Board, Pasteur Institute, Paris.
- 1997 - 2001 Member, Scientific Advisory Board, Max-Planck Institute of Molecular Genetics, Berlin.
- 1999 –2008 Member, Scientific Advisory Board, Van Andel Research Institute, Grand Rapids, Michigan.
- 2001 – 2004 Chair of European Academy’s project group “Embryo Experimentation in Europe”, Bad Neuenahr-Ahrweiler, Germany
- 2001 – Present Member of Kollegium, Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen, Bad Neuenahr-Ahrweiler, Germany
- 2002 – 2005 Member, Central Ethical Commission for Stem Cell Research, Federal German Parliament, Berlin
- 2002 – 2005 Ex officio board member, International Society for Stem Cell Research
- 2002 – Present Director, International Society of Differentiation
- 2002 - 2006 Member, National Center for Research Resources Special Emphasis Panel, National Institute of Health, Bethesda, USA
- 2003 – 2004 Member, Working Group on Stem-Cell Based Therapies, The Phoebe R. Berman Bioethics Institute, Johns Hopkins University, Baltimore, USA
- 2003 – 2005 Member, Working Group on Interspecific Chimeric Brains, The Phoebe R. Berman Bioethics Institute, Johns Hopkins University, Baltimore, USA

- 2003 – 2004 Member, Scientific Advisory Board, Genome Institute of Singapore
- 2003 – Present Member, Scientific Council, CNR Institute of Cellular Biology, Monterotondo Scalo, Rome
- 2005 –2007 Member, Working Group on Human Trials of Cell Based Interventions for Neurological Conditions, The Phoebe R. Berman Bioethics Institute, Johns Hopkins University, Baltimore, USA
- 2005 – Present Member, International Scientific Board, Ruder Boskovic Institute, Zagreb, Croatia
- 2006 – Present Member, The Hinxton Group, An International Consortium on Stem Cells, Ethics & Law, Hinxton, UK
- 2007 – Present Member, REBIRTH, Economic and Scientific Advisory Board, University of Hannover Medical School, Germany
- 2008 - Present Member, Steering Committee “Stem cells and regenerative medicine”, Swiss National Science Foundation
- 2014 – Present Member, Scientific Advisory Board, Institute of Medical Biology, A\*STAR, Singapore

## PUBLICATIONS

### A. Primary Research Publications

Damjanov, I. and Solter, D. 1965. Isolated atherosclerosis of the small intramural twigs of the branches of the coronary vascular system. *Ann. "Dr. M. Stojanovic" Hosp.* 4: 17-28 (in Croatian).

Solter, D. and Grljusic, V. 1966. Variations in the vascularization of the head of the femur and their importance in the treatment of fractures. *Rad. Med. Fac.* 14: 219-234 (in Croatian).

Jo, A. and Solter, D. 1968. The walls of the adductory channel and their relations to the neurovascular structures. *Rad. Med. Fac.* 16: 21-32 (in Croatian).

Rukavina, V. and Solter, D. 1968. Changes of acid mucopolysaccharides in the blood vessels of individuals of various age groups. *Rad. Med. Fac.* 16: 273-283 (in Croatian).

Solter, D. and Skreb, N. 1968. La duree des phases du cycle mitotique dans differentes regions du cylindre-oeuf de la souris. *C.R. Acad. Sci. (Paris)* 267: 659-661.

Kostovic, I., Rukavina, V., and Solter, D. 1969. Distribution of PAS-positive substances in the wall of blood vessels in individuals of various age groups. *Rad. Med. Fac.* 17: 175-185 (in Croatian).

Solter, D., Skreb, N., and Damjanov, I. 1970. Extrauterine growth of mouse egg-cylinders results in malignant teratoma. *Nature (London)* 227: 503-504.

Solter, D., Damjanov, I., and Skreb, N. 1970. Ultrastructure of mouse egg-cylinder. *Anat. Entwckl. Gesch.* 132: 219-298.

Kostovic, I., Rukavina, V., and Solter, D. 1971. The changes of PAS activity in the internal elastic membrane of cerebral arteries with increasing age. *Period. Biol.* 73: 25-31.

Damjanov, I. and Solter, D. 1971. Ultrastructure of acute tetracycline induced liver change. *Experientia* 27: 1204-1205.

Solter, D., Skreb, N., and Damjanov, I. 1971. Cell cycle analysis in the mouse egg-cylinder. *Exp. Cell Res.* 64: 331-334.

Damjanov, I., Solter, D., Belicza, M., and Skreb, N. 1971. Teratomas obtained through extrauterine growth of seven-day old mouse embryos. *J. Nat. Cancer Inst.* 45: 471-480.

Damjanov, I., Solter, D., and Skreb, N. 1971. Teratocarcinogenesis as related to the age of the embryos grafted under the kidney capsule. *Wilhelm Roux' Arch.* 167: 288-290.

Damjanov, I., Solter, D., and Skreb, N. 1971. Enzyme histochemistry of experimental embryo-derived teratocarcinomas. *Z. Krebsforsch.* 76: 249-256.

Solter, D., Damjanov, I., and Skreb, N. 1972. Demonstrability of some oxidative enzymes in early rodent embryos with and without fixation. *Dev. Biol.* 29: 486-490.



Dominis, M., Cerlek, S., and Solter, D. 1973. Cytology of diffuse liver disorders. *Acta Cytol.* 17: 205-208.

Dominis, M., Solter, D., and Damjanov, I. 1973. Aspiration cytological and cytochemical study of changes induced in rat liver cells by carbon tetrachloride (CCL<sub>4</sub>). *Beitr. Path.* 150: 132-147.

Avdalovic, N., Kaic, Z., Damjanov, I., and Solter, D. 1973. (Na<sup>+</sup>-K<sup>+</sup>)-dependent APTase in mouse submaxillary gland. *Pflugers Arch.* 345: 295-309.

Damjanov, I. and Solter, D. 1973. Yolk sac carcinoma grown from mouse egg cylinder. *Arch. Path.* 95: 182-184.

Solter, D., Damjanov, I., and Skreb, N. 1973. Distribution of hydrolite enzymes in early rat and mouse embryos. A reappraisal. *Z. Anat. Entwicklungsgesch.* 139: 119-126.

Solter, D. and Damjanov, I. 1973. Explantation of extraembryonic parts of 7-day-old mouse egg cylinders. *Experientia* 29: 701-703.

Damjanov, I., Solter, D., and Serman, D. 1973. Teratocarcinoma with the capacity for differentiation restricted to neuro-ectodermal tissue. *Virchows Arch. Abt. B. Zellpath* 13: 179-195.

Solter, D., Damjanov, I., and Skreb, N. 1973. Urethan acts as a teratogen and causes ultrastructural changes in early postimplantation mouse embryos. *Period. Biol.* 75: 257-265.

Biczysko, W., Pienkowski, M., Solter, D., and Koprowski, H. 1973. Virus particles in early mouse embryos. *J. Natl. Cancer Inst.* 51: 1041-1050.

Biczysko, W., Solter, D., Pienkowski, M., and Koprowski, H. 1973. Interactions of early mouse embryos with oncogenic viruses: Simian Virus 40 and polyoma. I. Ultrastructural studies. *J. Natl. Cancer Inst.* 51: 1945-1954.

Pienkowski, M., Solter, D., and Koprowski, H. 1974. Early mouse embryos: Growth and differentiation *in vitro*. *Exp. Cell Res.* 85: 424-428.

Damjanov, I. and Solter, D. 1974. Host-related factors determine the outgrowth of teratocarcinoma from mouse egg-cylinders. *Z. Krebsforsch.* 81: 63-69.

Biczysko, W., Solter, D., Graham, C., and Koprowski, H. 1974. Synthesis of endogenous type A virus particles in parthenogenetically stimulated mouse eggs. *J. Natl. Cancer Inst.* 52: 483-489.

Solter, D., Biczysko, W., Graham, C., Pienkowski, M., and Koprowski, H. 1974. Ultrastructure of early development of mouse parthenogenones. *J. Exp. Zool.* 188: 1-24.

Damjanov, I. and Solter, D. 1974. Experimental teratoma. *Curr. Topics Pathol.* 59: 69-129.

Solter, D., Biczysko, W., Pienkowski, M., and Koprowski, H. 1974. Ultrastructure of mouse egg cylinders developed *in vitro*. *Anat. Rec.* 180: 263-280.

- Damjanov, I. and Solter, D. 1974. Embryo-derived teratocarcinomas elicit splenomegaly in syngeneic host. *Nature* 249: 569-571.
- Dominis, M., Damjanov, I., and Solter, D. 1975. Cytology of experimental teratomas and teratocarcinomas. *Experientia* 31: 107-108.
- Solter, D. and Knowles, B.B. 1975. Immunosurgery of mouse blastocyst. *Proc. Natl. Acad. Sci. USA*. 72: 5099-5102.
- Rowinski, J., Solter, D., and Koprowski, H. 1975. Mouse embryo development *in vitro*: Effects of inhibitors of RNA and protein synthesis on blastocyst and post-blastocyst embryos. *J. Exp. Zool.* 192: 133-142.
- Solter, D. and Schachner, M. 1976. Brain and sperm cell surface antigen (NS-4) on preimplantation mouse embryos. *Dev. Biol.* 52: 98-104.
- Damjanov, I. and Solter, D. 1976. Animal model of human disease. Embryo-derived teratomas and teratocarcinomas in mice. *Am. J. Pathol.* 83: 241-244.
- Rowinski, J., Solter, D., and Koprowski, H. 1976. Change in concanavalin A induced agglutinability during preimplantation mouse development. *Exp. Cell Res.* 100: 404-408.
- Vorbrodt, A., Konwinski, M., Solter, D., and Koprowski, H. 1976. Ultrastructural localization of cytoplasmic phosphatases in preimplantation mouse embryos. *Folia Histochem. Cytochem.* 14: 249-256.
- Vorbrodt, A., Konwinski, M., Solter, D., and Koprowski, H. 1977. Ultrastructural cytochemistry of membrane-bound phosphatases in preimplantation mouse embryos. *Dev. Biol.* 55: 117-134.
- Doherty, P.C., Solter, D., and Knowles, B.B. 1977. H-2 gene expression is required for T cell-mediated lysis of virus-infected target cells. *Nature* 266: 361-362.
- Abramczuk, J., Solter, D., and Koprowski, H. 1977. The beneficial effect of EDTA on development of mouse one-cell embryos in chemically defined medium. *Dev. Biol.* 61: 378-383.
- Knowles, B.B., Solter, D., Trinchieri, G., Maloney, K.M., Ford, S.R., and Aden, D.P. 1977. Complement-mediated antiserum cytotoxic reactions to human chromosome 7 coded antigen(s): immunoselection of rearranged human chromosome 7 in human-mouse somatic cell hybrids. *J. Exp. Med.* 145: 314-326.
- Trinchieri, G., Aden, D.P., Solter, D., and Knowles, B.B. 1977. Cytotoxic cell-mediated response to tumor antigens on somatic cell hybrids. *Transplant. Proc.* 9: 1161-1165.
- Konwinski, M., Vorbrodt, A., Solter, D., and Koprowski, H. 1977. Ultrastructural study of concanavalin-A binding to the surface of preimplantation mouse embryos. *J. Exp. Zool.* 200: 311-323.
- Damjanov, I., Cutler, L.S., and Solter, D. 1977. Ultrastructural localization of membrane phosphatases in teratocarcinoma and early embryos. *Am. J. Pathol.* 87: 297-310.

- Abramczuk, J., Stark, R.A., Konwinski, M., Solter, D., Mastroianni, L., and Koprowski, H. 1977. Parthenogenetic activation of rhesus monkey follicular oocytes *in vitro*. *J. Embryol. Exp. Morphol.* 42: 115-126.
- Abramczuk, J., Vorbrodt, A., Solter, D., and Koprowski, H. 1978. Infection of mouse preimplantation embryos with Simian virus 40 and polyoma virus. *Proc. Natl. Acad. Sci. USA* 75: 999-1003.
- Konwinski, M., Solter, D., and Koprowski, H. 1978. Effect of removal of the zona pellucida on subsequent development of mouse blastocysts *in vitro*. *J. Reprod. Fert.* 54: 137-143.
- Vorbrodt, A., Abramczuk, J., Stark, R.A., Konwinski, M., Solter, D., and Koprowski, H. 1978. Ultrastructure of rhesus monkey parthenogenones. *Biol. Cell* 33: 39-44.
- Solter, D. and Knowles, B.B. 1978. Monoclonal antibody defining a stage-specific mouse embryonic antigen (SSEA-1). *Proc. Natl. Acad. Sci. USA* 75: 5565-5569.
- Pfizenmaier, K., Trinchieri, G., Solter, D., and Knowles, B.B. 1978. Mapping of H-2 genes associated with T cell-mediated cytotoxic responses to SV40 tumor-associated specific antigens. *Nature* 274: 691-693.
- Solter, D. and Damjanov, I. 1979. Teratocarcinoma rarely develop from embryos transplanted into athymic mice. *Nature* 278: 554-555.
- Solter, D., Shevinsky, L., Knowles, B.B., and Strickland, S. 1979. The induction of antigenic changes in a teratocarcinoma stem cell line (F9) by retinoic acid. *Dev. Biol.* 70: 515-521.
- Howe, C.C. and Solter, D. 1979. Cytoplasmic and nuclear protein synthesis in preimplantation mouse embryos. *J. Embryol. Exp. Morph.* 52: 209-225.
- Ballou, B., Levine, G., Hakala, G., and Solter, D. 1979. Tumor localization with radiolabeled monoclonal antibody using external scintigraphy. *Science* 206: 844-847.
- Knowles, B.B., Koncar, M., Pfizenmaier, K., Solter, D., Aden, D.P., and Trinchieri, G. 1979. Genetic control of the cytotoxic T cell response to SV40 tumor-associated specific antigen. *J. Immunol.* 122: 1798-1806.
- Solter, D., Dominis, M., and Damjanov, I. 1979. Embryo-derived teratocarcinoma: I. The role of strain and gender in the control of teratocarcinogenesis. *Int. J. Cancer* 24: 770-772.
- Howe, C.C., Gmur, R., and Solter, D. 1980. Cytoplasmic and nuclear protein synthesis during *in vitro* differentiation of murine ICM and embryonal carcinoma cells. *Dev. Biol.* 74: 351-363.
- Levine, G., Ballou, B., Reiland, J., Solter, D., Gumerman, L., and Hakala, T. 1980. Localization of <sup>131</sup>I-labeled tumor-specific monoclonal antibody in the tumor bearing BALB/c mouse. *J. Nucl. Med.* 21: 570-573.
- Solter, D., Dominis, M., and Damjanov, I. 1980. Embryo-derived teratocarcinoma. II. Teratocarcinogenesis depends on the type of embryonic graft. *Int. J. Cancer* 25: 341-343.

Howe, C.C. and Solter, D. 1980. Identification of non-collagen glycopeptides of a basement membrane synthesized by the mouse parietal endoderm and endodermal cell line. *Dev. Biol.* 77: 480-487.

Gmür, R., Solter, D., and Knowles, B.B. 1980. Independent regulation of H-2K and H-2D gene expression in murine teratocarcinoma somatic cell hybrids. *J. Exp. Med.* 151: 1349-1359.

Bronson, D.L., Andrews, P.W., Solter, D., Cervenka, J., Lange, P.H., and Fraley, E.E. 1980. Cell line derived from a metastasis of a human testicular germ cell tumor. *Cancer Res.* 40: 2500-2506.

Knowles, B.B., Pan, S.H., Solter, D., Linnenbach, A., Croce, C., and Huebner, K. 1980. Expression of H-2, laminin and SV40 T and TASA upon differentiation. *Nature* 288: 615-618.

Nudelman, E., Hakomori, S., Knowles, B.B., Solter, D., Nowinski, R.C, Tam, M.R., and Young, W.W. Jr. 1980. Monoclonal antibody directed to the stage-specific embryonic antigen (SSEA-1) reacts with a branched glycosphingolipid similar in structure to li antigen. *Biochem. Biophys. Res. Comm.* 97: 443-451.

Gmür, R., Knowles, B.B., and Solter, D. 1981. Regulation of phenotype in somatic cell hybrids derived by fusion of teratocarcinoma cell lines with normal or tumor-derived mouse cells. *Dev. Biol.* 81: 245-254.

Howe, C.C. and Solter, D. 1981. Changes in cell surface proteins during differentiation of mouse embryonal carcinoma cells. *Dev. Biol.* 84: 239-243.

Fox, N., Damjanov, I., Martinez-Hernandez, A., Knowles, B.B., and Solter, D. 1981. Immunohistochemical localization of the early embryonic antigen (SSEA-1) in postimplantation mouse embryos, and fetal and adult tissues. *Dev. Biol.* 83: 391-398.

Gooi, H.C., Feizi, T., Kapadia, A., Knowles, B.B., Solter, D., and Evans, M.J. 1981. Stage-specific embryonic antigen involves a1@3-fucosylated type 2 blood group chains. *Nature* 292: 156-158.

Hakomori, S.-i., Nudelman, E., Levery, S., Solter, D., and Knowles, B.B. 1981. The structure of a developmentally regulated glycolipid antigen (SSEA-1) derived by the monoclonal antibody to the F9 embryonal carcinoma cells. A preliminary note. *Biochem. Biophys. Res. Comm.* 100: 1578-1586.

Shevinsky, L., Knowles, B.B., Howe, C.C., Aden, D.P., and Solter, D. 1981. Murine stage-specific embryonic antigen (SSEA-2) is expressed on some murine SV-40 transformed cells. *J. Immunol.* 127: 632-636.

Ajiro, K., Borun, T.W., and Solter, D. 1981. Quantitative changes in the expression of histone H1 and H2B subtypes and their relationship to the differentiation of mouse embryonal carcinoma cells. *Dev. Biol.* 86: 206-211.

Solter, D., Dominis, M., and Damjanov, I. 1981. Embryo-derived teratocarcinoma. III. Development of tumors from teratocarcinoma-permissive and non-permissive strain embryos transplanted in F1 hybrids. *Int. J. Cancer* 28: 479-483.

Fox, N., Damjanov, I., Knowles, B.B., and Solter, D. 1982. Teratocarcinoma antigen is secreted by epididymal cells and coupled to maturing sperm. *Exp. Cell Res.* 137: 485-488.

Damjanov, I. and Solter, D. 1982. Maternally transmitted factors modify development and malignancy of teratomas in mice. *Nature* 296: 95-96.

Fox, N., Shevinsky, L., Knowles, B.B., Solter, D., and Damjanov, I. 1982. Distribution of murine stage specific embryonic antigens in the kidneys of three rodent species. *Exp. Cell. Res.* 140: 331-339.

Damjanov, I., Fox, N., Knowles, B.B., Solter, D., Lange, B.H., and Fraley, E.E. 1982. Immunohistochemical localization of murine stage-specific embryonic antigens in human testicular germ cell tumors. *Am. J. Pathol.* 108: 225-230.

Knowles, B.B., Rappaport, J., and Solter, D. 1982. Murine embryonic antigen (SSEA-1) is expressed on human cells and structurally related human blood group antigen I is expressed on mouse embryos. *Dev. Biol.* 93: 54-58.

Shevinsky, L.H., Knowles, B.B., Damjanov, I., and Solter, D. 1982. A stage-specific embryonic antigen defined by monoclonal antibody to murine embryos, expressed on mouse embryos and human teratocarcinoma cells. *Cell* 30: 697-705.

Lagenaur, D., Schachner, M., Solter, D., and Knowles, B.B. 1982. Monoclonal antibody against SSEA-1 is specific for a subpopulation of astrocytes in mouse cerebellum. *Neurosci. Letters* 31: 181-184.

Damjanov, I., Bagasra, O., Dominis, M., and Solter, D. 1982. Embryo-derived teratocarcinoma. IV. The role of immune factors in the regulation of teratocarcinogenesis. *Int. J. Cancer* 30: 759-762.

Fox, N., Damjanov, I., Knowles, B.B., and Solter, D. 1983. Immunohistochemical localization of the mouse stage-specific embryonic antigen (SSEA-1) in human tissues and tumors. *Cancer Res.* 43: 669-678.

McGrath, J. and Solter, D. 1983. Nuclear transplantation in the mouse embryo using microsurgery and cell fusion. *Science* 220: 1300-1302.

Kannagi, R., Levery, S.B., Ishigami, F., Hakomori, S.-i., Shevinsky, L.H., Knowles, B.B., and Solter, D. 1983. New globo-series glycosphingolipids in human teratocarcinoma reactive to the monoclonal antibody directed to a developmentally regulated antigen, SSEA-3. *J. Biol. Chem.* 258: 8934-8942.

Damsky, C.H., Richa, J., Solter, D., Knudsen, K., and Buck, C.A. 1983. Identification and purification of a calcium-sensitive surface glycoprotein mediating intercellular adhesion in embryonic and adult tissue. *Cell* 34: 455-466.

McGrath, J. and Solter, D. 1983. Nuclear transplantation in mouse embryos. *J. Exp. Zool.* 228: 355-362.

Kannagi, R., Cochran, N.A., Ishigami, F., Hakomori, S.-i., Andrews, P.W., Knowles, B.B. and Solter, D. 1983. Stage-specific embryonic antigens (SSEA-3 and -4) are epitopes of a unique globo-series ganglioside isolated from human teratocarcinoma cells. *EMBO J.* 2: 2355-2361.

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- McGrath, J. and Solter, D. 1984. Completion of mouse embryogenesis requires both the maternal and paternal genomes. *Cell* 37: 179-183.
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- McGrath, J. and Solter, D. 1984. Inability of mouse blastomere nuclei transferred to enucleated zygotes to support development *in vitro*. *Science* 226: 1317-1319.
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- Gilbert, S.F. and Solter, D. 1985. Onset of paternal and maternal *Gpi-1* expression in preimplantation mouse embryos. *Dev. Biol.* 109: 515-517.
- Ross, S.R. and Solter, D. 1985. Glucocorticoid regulation of mouse mammary tumor virus sequences in transgenic mice. *Proc. Natl. Acad. Sci. USA* 82: 5880-5884.
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- Koren, E., Solter, D., Lee, D.M., Reiner, Z., McConathy, W.J., Dashti, N., and Alaupovic, P. 1986. Characterization of a monoclonal antibody that binds equally to all apolipoprotein and lipoprotein forms of human plasma apolipoprotein B. I. Specificity and binding studies. *Biochim. Biophys. Acta* 876: 91-100.
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## B. Book Chapters & Reviews

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